



REPLACEMENT SHEET

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

ACTGTCTGGA**ACTGG****ACTGAGTCACCA****AAAGGCGAATGGCTTCATCTTATA****AAATGTCTG**
AACAAAGCACAACTTCTGAGCACATTTTACAGAAGACATGTGATCACCTGATCCTGACTA
ACCGTTCTGGATTAGAGACAGACTCAGTAGCAGAGGAAATGAAGCAGACTGTGGAGGGAC
AGGGGCATACAGTGCACTGGGCAGCTCTCCTGATACTCGCGGTGATAATACCCACCATTG
GTGGGAACATCCTTGTGATTCTGGCTGTTGCACTGGAGAAAAGGCTGCAGTACGCTACCA
ACTACTTTTAAATGTCCTT **GGCGATAGCAGATTTGCTGGTTGGATTGTTTGTGATGCCGA**
TTGCCCTCTTGACAATCATGTTTGAGGCTATATGGCCCCCTCCCACTGGCCCTGTGTCCTG
CCTGGTTATTCTCGATGTTCTCTTTTCAACTGCCTCCATCATGCATCTCTGTGCCATTT
CCCTGGACCGCTATATAGCCATCAAAAAGCCAATTCAGGCCAATCAGTGCAACACCCGGG
CTACTGCATTATCAAGATTACAGTGGTATGGTTAATTTCAATAGGCATCGCCATCCCAG
TCCCTATTAAAGGAATCGAGACTGATGTGATTAATCCACACAATGTCACCTGTGAGCTGA
CAAAGGACCGCTTTGGCAGTTTTATGGTCTTTGGGTCACTGGCTGCTTTCTTCGTACCTC
TCACCATCATGGTAGTCACTTACTTTCTCACCATTACACTTTACAGAAGAAAGCTTACT
TGGTCAAAAATAAGCCACCTCAACGCCTAACACGGTGGACTGTGCCCACAGTTTTCTTAA
GGGAAGACTCATCCTTTTCATCACCAGAAAAGGTGGCAATGCTGGATGGGTCTCACAGGG
ATAAAATTCTACCTAACTCAAGTGATGAGACACTTATGCGAAGAATGTCCTCAGTTGGAA
AAAGATCAGCCCAAACCATTTCTAATGAGCAGAGAGCCTCGAAGGCCCTTGGAGTCGTGT
TTTTCTTTTTCTGCTTATGTGGTGCCCTTTTTTTATTACAAATCTAACTTTAGCTCTGT
GTGATTCCTGCAATCAGACCACTCTCAAAACACTCCTGGAGATATTTGTGTGGATAGGCT
ACGTTTCTCTCGGGGGTGAATCCTCTGATCTATACACTCTTCAATAAGACATTTTCGGGAAG
CATTTGGCAGGTACATCACCTGCAATTACCGAGCCACAAAGTCAGTAAAAGCACTTAGGA
AGTTTTCCAGTACACTTTGTTTTGGGAATTCAATGGTAGAAAACCTCTAAATTTTTTCACAA
AACATGGAATTGAAATGGGATCAACCCTGCCATGTACCAGAGCCCAATGAGGCTCCGAT
GTTCAACCATTAGTCCTCATCAATCATCCTCCTCGATACCCTTCTCACTGAAAACGATG
GCGACAAAGCGGAAGAGCAGGTACATATTGCAGGAACGGGCCGCTCATCTTGA
GAGAGGGTGATGAGCAGGACGCACGCGCACCATGGCAGGTTCAAGAGTGA
(SEQ ID NO:1)

FIGURE 2A

REPLACEMENT SHEET



Gene Sequence Structure *

130 bp

Sequence Deleted

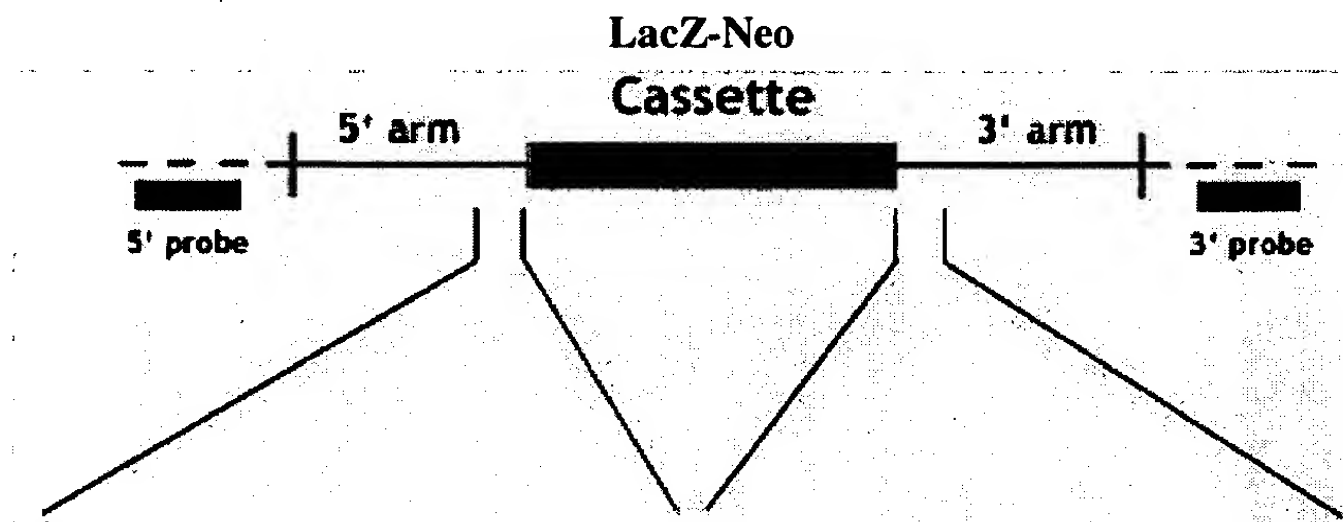
319 bp

Size of full-length
cDNA: 1550 bp

Targeting Vector*
(genomic sequence)

Construct Number: 2520

Arm Length:
5': 1.6 kb
3': 5 kb



————— Targeting Vector
- - - - - Endogenous Locus

*. Not drawn to scale

5' >TGAGTGTCTGGTGGGTTTGCT
AAATGCTTTGCTAAAGCAGATGAC
TTGCTTAGCTACTGACCATGCTGA
CCACTGTCTGGAAGTGGACTGAGT
CACCAAAGGCCGAATGGCTTCATC
TTATAAAATGTCTGAACAAAGCAC
AACTTCTGAGCACATTTTACAGAA
GACATGTGATCACCTGATCCTGAC
TAACCGTTCTG<3'
(SEQ ID NO:3)

5' >GGCGATAGCAGATTTGCTGGT
TGGATTGTTTGTGATGCCGATTGC
CCTCTTGACAATCATGTTTGGTGA
GTATTTCCCCTTGTTCCCTGCCACT
GAACACTACTAACGTAGTGAAATG
GACACTCACTGACCTTTATTTTGT
TTGAAATAAAAGAAGGACCTGGAT
TAAAAACACAGAAGGGAACATTCC
TTCATTTTTC<3'
(SEQ ID NO:4)

FIGURE 2B